

Complete fixture consists of: Power Head, Reflector, and Suspension. Select each separately

Reflector/Refractor Power Head: Powder Coated Textured Dark Grey

| Cat. No | Cat. No | Lamp | Watts | Volts | Options |
|--|------------------|--------------------------------|----------|----------|------------------|
| 40431 Semi Specular, Anodized Reflector | 406371 | Incandescent A21 | 150 | 120 | Not App. |
| | 4073U3 | CFL Triple Tube | 26/32/42 | 120-277V | MX1, MX2, DA, E3 |
| 40432 Acrylic Refractor | 407370U | CFL Triple Tube | 70 | 120-277V | MX1, MX2, E3 |
| | 407385U | CFL Triple Tube | 85 | 120-277V | Not App. |
| | 4083100EU | Metal Halide ED17 (Open Rated) | 100 | 120-277V | N/A |
| | 4083150EU | Metal Halide ED17 (Open Rated) | 150 | 120-277V | N/A |

MX1 = Mark X Dimming 26/32/42W, 120V only*

MX2 = Mark X Dimming 26/32/42W, 277V only*

E3 = 347V (Canada)

DA = DALI (Digital Addressable Lighting Interface)**

* 2-wire, neutral connection required at dimming control.

** 5-wire Suspension Kit required

Remove U or U3 from Cat. No. & add Suffix

Note: For CFL unit with integrated Emergency Battery Pack (EM) Option refer to Specification Sheet number P-EM for Cat. No. ordering guide and specification data.

| Suspension | | | Optional Extension Kits | | | Reflector/Refractor Opt. | | |
|------------------|-------|---|-------------------------|-------|----------------------|--------------------------|-----------------------|------------|
| Cat. No | Color | Description | Cat No. | Color | Description | Cat No. | Description | Used With |
| 404SKG | Grey | Cable/Cord & Cable/Coiled Cord, 120" Length | 404EXT300* | Grey | 25' Extension Cable/ | 431G | Industrex® Glass Lens | 40431 |
| 404SG5 | Grey | 5-Wire Straight Cord/Cable | 404EXT300G5** | Grey | Cord Kit | 432G | Industrex® Glass Lens | 40432 |
| 404S36 | Grey | 36" Length 5/8" Stem | | | 25' 5-wire Extension | 432A | Flat Acrylic Lens | 40432 |
| 404S60 | Grey | 60" Length 5/8" Stem | | | Cable/Cord Kit | 404TRM16 | 16" Trim Ring | 40431/4032 |
| 404S120 | Grey | 120" Length 5/8" Stem | | | | | | |
| 4912CTCGR | Grey | Direct to Ceiling Kit | | | | | | |
| 404GLS | Grey | Track Mounting Kit | | | | | | |

* Use with Standard Cord Suspension Kit

**Dali requires a 5-wire suspension

Features

- 1. Reflector/Refractor:** Semi-specular high purity anodized aluminum, 16 gauge, iridescent-free finish. Refractor; injection molded acrylic, UV stabilized.
- 2. Power Head Housing:** Two-piece extruded aluminum. Removable door allows for ease of installation and servicing. Dark Gray textured powder coat finish.
- 3. Suspension:** Cable/Cord: 1/16" Stainless Steel/SJT 18-3, Grey or Black. Cable/Coiled Cord: 1/16" Stainless Steel/SJT 18-3, Grey or Black. Stem: 3/4" steel tubing and canopy with 35 degree swivel hanger, Grey-or Black Finish.
- 4. Shielding Options:** Industrex® Glass Lens or Acrylic Lens.

Labels

cULus listed suitable for damp locations.

Industrex® is a registered trademark of AFG Industries, Inc.

Job Information

Type:

Job Name:

Cat. No.:

Lamp(s):

Notes:

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710

We reserve the right to change details of design, materials and finish.

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Lamping (by others)

Compact Fluorescent:

| General Electric | Osram/Sylvania | Philips |
|--|----------------|-------------|
| (1) 26W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp F26TBX/*A/4P | CF26DT/E/IN/* | PL-T26W/*4P |
| (1) 32W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp F32TBX/*A/4P | CF32DT/E/IN/* | PL-T32W/*4P |
| (1) 42W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp F42TBX/*A/4P | CF42DT/E/IN/* | PL-T42W/*4P |
| (1) 70W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp F70QBX/*A/4P/EOL | CF70DT/E/IN/* | N/A |
| (1) 85W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp N/A | N/A | PL-H85W/*4P |

* Manufacturers' color temperature designation.

Metal Halide:

| General Electric | Osram/Sylvania | Philips |
|---|------------------|---------------|
| (1) 100W Ceramic Metal Halide ED17 Lamp MXR100/C/U/MED/O | MCP100/C/U/MED/* | MCH100/C/UMP* |
| (1) 150W Ceramic Metal Halide ED17 Lamp MXR150/C/U/MED/O | MCP150/C/U/MED/* | MCH150/C/UMP* |

* Manufacturers' color temperature designation.

Electrical

Lampholders:

Compact Fluorescent:

4-pin, 26/32 watt base: GX24q-3; 42 watt base: GX24q-4;

70 watt base: GX24q-6; 85 watt base: 2G8

Incandescent:

Medium Base, Porcelain, Nickel Plated Screw Shell

Ballast: Fluorescent: Electronic

| | 26 Watt | | 32 Watt | | 42 Watt | |
|--------------------------|---------|-----|---------|-----|---------|-----|
| Voltage | 120 | 277 | 120 | 277 | 120 | 277 |
| Total Input Watts | 26 | 26 | 36 | 36 | 47 | 47 |
| Max. Line Current (Amps) | .22 | .09 | .30 | .09 | .39 | .17 |
| | 70 Watt | | 85 Watt | | | |
| Voltage | 120 | 277 | 120 | 277 | | |
| Total Input Watts | 73 | 72 | 98 | 98 | | |
| Max. Line Current (Amps) | .61 | .27 | .82 | .36 | | |

Power Factor >.98, Ballast Factor .98, THD <10%

Minimum Starting Temperature: 0°F

Metal Halide: Electronic, High Power Factor

| | 100 Watt ANSI Code M-90 | | 150 Watt ANSI Code M-102 | |
|--------------------------|----------------------------|------|-----------------------------|-----|
| Voltage | 120 | 277 | 120 | 277 |
| Total Input Watts | 110 | 110 | 167 | 167 |
| Max. Line Current (Amps) | 0.94 | 0.42 | 1.4 | 0.6 |

Minimum starting Temperature: +5°F

Job Information

Type:

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710

We reserve the right to change details of design, materials and finish.

www.lightolier.com © 2008 Philips Group • N0109

Application Data

| Multiple Units (32W Triple Tube CFL) | | | |
|--------------------------------------|-------------------------|----------------------|-------------------|
| Spacing on Center | Height to Lighted Plane | Initial Foot-candles | Watts Per Sq. Ft. |
| 6' | 6' | 64 | 1.00 |
| | 12' | 55 | |
| 8' | 6' | 36 | 0.56 |
| | 12' | 31 | |
| 10' | 6' | 23 | 0.36 |
| | 12' | 20 | |

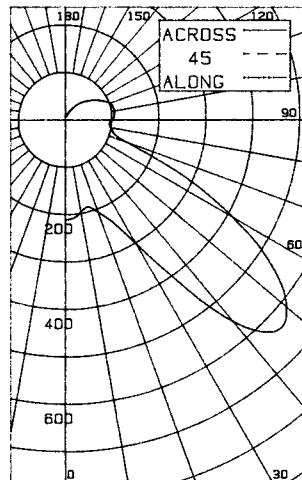
Based on 60" x 60" room with 80% ceiling cavity, 50% wall and 20% floor reflectances. Height is from bottom of fixture to lighted plane.

Spacing Ratio = 2.8

32W Triple Tube CFL

CERTIFIED TEST REPORT NO. 0553FR
COMPUTED BY LSI PROGRAM **TEST-LITE**

LIGHTOLIER PENDANT DOWNLIGHT FIXTURE CAT. #40432
16 1/4" DIA. CLEAR ACRYLIC REFLECTOR
1-32W PLT TRIPLE TUBE PHILIPS LAMP, LUMEN RATING = 2400 LMS.
ENERGY SAVINGS BALLAST, 120 VAC



| CANDLEPOWER SUMMARY | | | | | |
|---------------------|---------|------|-------|---------|------|
| ANGLE | MEAN CP | LMS. | ANGLE | MEAN CP | LMS. |
| 0 | 211 | 90 | 90 | 101 | |
| 5 | 208 | 20 | 95 | 105 | 115 |
| 10 | 197 | 100 | 107 | | |
| 15 | 190 | 54 | 105 | 105 | 112 |
| 20 | 208 | 110 | 101 | | |
| 25 | 237 | 110 | 115 | 92 | 92 |
| 30 | 303 | 120 | 82 | | |
| 35 | 413 | 259 | 125 | 71 | 63 |
| 40 | 555 | 130 | 60 | | |
| 45 | 631 | 488 | 135 | 51 | 40 |
| 50 | 615 | 140 | 41 | | |
| 55 | 536 | 481 | 145 | 30 | 19 |
| 60 | 411 | 150 | 21 | | |
| 65 | 273 | 271 | 155 | 14 | 6 |
| 70 | 141 | 160 | 10 | | |
| 75 | 106 | 112 | 165 | 7 | 2 |
| 80 | 98 | 170 | 7 | | |
| 85 | 94 | 103 | 175 | 6 | 1 |
| 90 | 101 | 180 | 6 | | |

ZONAL LUMENS AND PERCENTAGES

| ZONE | LUMENS | % LAMP | % LUMINAIRE |
|--------|--------|--------|-------------|
| 0-30 | 183 | 7.65 | 7.82 |
| 0-40 | 443 | 18.46 | 18.87 |
| 0-60 | 1412 | 58.85 | 60.16 |
| 0-90 | 1898 | 79.09 | 80.85 |
| 40-90 | 1455 | 60.63 | 61.98 |
| 60-90 | 485 | 20.24 | 20.70 |
| 90-180 | 449 | 18.73 | 19.15 |
| 0-180 | 2347 | 97.82 | 100.00 |

** EFFICIENCY = 97.8% **

PREPARED FOR:
LIGHTOLIER
FALL RIVER, MA

DATE:
OCT 13, 1998

TESTED ACCORDING TO IES PROCEDURES. TEST DISTANCE EXCEEDS FIVE TIMES THE GREATEST LUMINOUS OPENING OF LUMINAIRE.

Coefficients Of Utilization

32W Triple Tube CFL

% EFFECTIVE CEILING CAVITY REFLECTANCE

| | 80 | | | 70 | | | 50 | | | 30 | | | 10 | | | 0 | |
|-------------------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | % WALL REFLECTION | | | | | | | | | | | | | | | | |
| | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | |
| ROOM CAVITY RATIO | 1 | .96 | .91 | .87 | .92 | .88 | .84 | .84 | .81 | .78 | .77 | .75 | .72 | .71 | .69 | .67 | .64 |
| | 2 | .83 | .76 | .70 | .80 | .73 | .68 | .73 | .68 | .63 | .67 | .63 | .59 | .62 | .58 | .55 | .52 |
| | 3 | .72 | .63 | .57 | .69 | .61 | .55 | .63 | .57 | .52 | .58 | .53 | .48 | .53 | .49 | .45 | .42 |
| | 4 | .62 | .53 | .47 | .60 | .52 | .45 | .55 | .48 | .43 | .50 | .45 | .40 | .46 | .42 | .38 | .35 |
| | 5 | .54 | .45 | .38 | .52 | .43 | .37 | .48 | .40 | .35 | .44 | .37 | .33 | .40 | .35 | .31 | .28 |
| | 6 | .47 | .37 | .31 | .45 | .36 | .30 | .41 | .34 | .28 | .37 | .31 | .26 | .34 | .29 | .25 | .22 |
| | 7 | .40 | .31 | .25 | .38 | .30 | .24 | .35 | .28 | .22 | .32 | .26 | .21 | .29 | .24 | .19 | .17 |
| | 8 | .35 | .26 | .20 | .34 | .25 | .19 | .31 | .23 | .18 | .28 | .22 | .17 | .26 | .20 | .16 | .13 |
| | 9 | .31 | .22 | .16 | .30 | .21 | .16 | .27 | .20 | .15 | .25 | .18 | .14 | .22 | .17 | .12 | .10 |
| | 10 | .27 | .19 | .13 | .26 | .18 | .13 | .24 | .17 | .12 | .22 | .15 | .11 | .20 | .14 | .10 | .08 |

20% FLOOR CAVITY REFLECTANCE

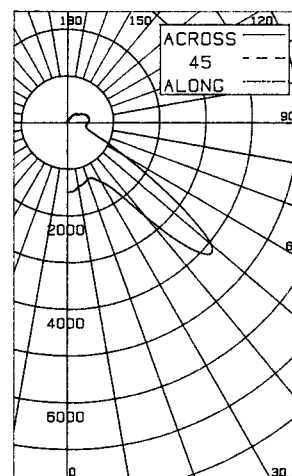
| Illuminance (FC) Multipliers | | |
|------------------------------|--------------------------|-------------------|
| For Incandescent: | For Compact Fluorescent: | For Metal Halide: |
| 100 Watt = 0.7 | 26 Watt = 0.7 | 100 Watt = 3.5 |
| 150 Watt = 1.2 | 42 Watt = 1.3 | 150 Watt = 5.2 |

Spacing Ratio = 2.6

150W ED17 MH

CERTIFIED TEST REPORT NO. 0591FR
COMPUTED BY LSI PROGRAM **TEST-LITE**

LIGHTOLIER H.I.D. PENDANT DOWNLIGHT FIXTURE CAT. #40432
16 1/4" DIA. ACRYLIC REFLECTOR
1-150W ED-17 M.H. LAMP, SYL. COATED. LUMEN RATING = 12000 LMS.



| CANDLEPOWER SUMMARY | | | | | |
|---------------------|---------|------|-------|---------|------|
| ANGLE | MEAN CP | LMS. | ANGLE | MEAN CP | LMS. |
| 0 | 1497 | 90 | 451 | | |
| 5 | 1477 | 139 | 95 | 473 | 511 |
| 10 | 1395 | 100 | 475 | | |
| 15 | 1354 | 382 | 105 | 463 | 487 |
| 20 | 1289 | 110 | 441 | | |
| 25 | 1317 | 624 | 115 | 410 | 402 |
| 30 | 1472 | 120 | 359 | | |
| 35 | 1759 | 1196 | 125 | 298 | 274 |
| 40 | 2627 | 130 | 266 | | |
| 45 | 3867 | 2791 | 135 | 257 | 192 |
| 50 | 4052 | 140 | 210 | | |
| 55 | 2627 | 2400 | 145 | 143 | 93 |
| 60 | 1392 | 150 | 97 | | |
| 65 | 762 | 847 | 155 | 60 | 29 |
| 70 | 496 | 160 | 31 | | |
| 75 | 421 | 462 | 165 | 27 | 8 |
| 80 | 407 | 170 | 25 | | |
| 85 | 416 | 461 | 175 | 18 | 2 |
| 90 | 451 | 180 | 17 | | |

ZONAL LUMENS AND PERCENTAGES

| ZONE | LUMENS | % LAMP | % LUMINAIRE |
|--------|--------|--------|-------------|
| 0-30 | 1145 | 9.55 | 10.14 |
| 0-40 | 2342 | 19.52 | 20.73 |
| 0-60 | 7532 | 62.77 | 66.67 |
| 0-90 | 9302 | 77.52 | 82.33 |
| 40-90 | 6960 | 58.00 | 61.60 |
| 60-90 | 1769 | 14.75 | 15.66 |
| 90-180 | 1996 | 16.64 | 17.67 |
| 0-180 | 11298 | 94.15 | 100.00 |

** EFFICIENCY = 94.2% **

DATE:
NOV 5, 1998
PREPARED FOR:
LIGHTOLIER
FALL RIVER, MA

TESTED ACCORDING TO IES PROCEDURES. TEST DISTANCE EXCEEDS FIVE TIMES THE GREATEST LUMINOUS OPENING OF LUMINAIRE.

Coefficients Of Utilization

150W ED17 MH

% EFFECTIVE CEILING CAVITY REFLECTANCE

| | 80 | | | | | | 70 | | | | | | 50 | | | | | | 30 | | | | | | 10 | | | | | | 0 | | | | | |
|-------------------|----|-----|-----|-----|--|--|-------------------|-----|-----|--|--|--|-----|-----|-----|--|--|--|-----|-----|-----|--|--|--|-----|-----|-----|--|--|--|-----|----|----|--|--|---|
| | | | | | | | % WALL REFLECTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 50 | 30 | 10 | | | | 50 | 30 | 10 | | | | 50 | 30 | 10 | | | | 50 | 30 | 10 | | | | 50 | 30 | 10 | | | | 50 | 30 | 10 | | | 0 |
| ROOM CAVITY RATIO | 1 | .93 | .89 | .85 | | | .90 | .86 | .82 | | | | .83 | .80 | .77 | | | | .76 | .74 | .72 | | | | .70 | .68 | .67 | | | | .63 | | | | | |
| | 2 | .82 | .75 | .70 | | | .78 | .72 | .68 | | | | .72 | .68 | .63 | | | | .67 | .63 | .60 | | | | .62 | .59 | .56 | | | | .53 | | | | | |
| | 3 | .71 | .63 | .57 | | | .68 | .61 | .56 | | | | .63 | .57 | .53 | | | | .58 | .54 | .50 | | | | .54 | .50 | .47 | | | | .44 | | | | | |
| | 4 | .62 | .54 | .48 | | | .60 | .52 | .46 | | | | .55 | .49 | .44 | | | | .51 | .46 | .42 | | | | .47 | .43 | .39 | | | | .37 | | | | | |
| | 5 | .54 | .46 | .39 | | | .52 | .44 | .38 | | | | .48 | .42 | .37 | | | | .45 | .39 | .35 | | | | .41 | .37 | .33 | | | | .30 | | | | | |
| | 6 | .47 | .39 | .32 | | | .45 | .37 | .31 | | | | .42 | .35 | .30 | | | | .39 | .33 | .28 | | | | .36 | .31 | .27 | | | | .24 | | | | | |
| | 7 | .41 | .32 | .26 | | | .39 | .31 | .25 | | | | .36 | .29 | .24 | | | | .33 | .27 | .22 | | | | .31 | .25 | .21 | | | | .19 | | | | | |
| | 8 | .36 | .27 | .21 | | | .34 | .26 | .21 | | | | .32 | .25 | .20 | | | | .29 | .23 | .18 | | | | .27 | .21 | .17 | | | | .15 | | | | | |
| | 9 | .31 | .23 | .17 | | | .30 | .22 | .17 | | | | .28 | .21 | .16 | | | | .26 | .19 | .15 | | | | .23 | .18 | .14 | | | | .12 | | | | | |
| | 10 | .28 | .20 | .14 | | | .26 | .19 | .14 | | | | .24 | .18 | .13 | | | | .22 | .16 | .12 | | | | .21 | .15 | .11 | | | | .09 | | | | | |

20% FLOOR CAVITY REFLECTANCE

Job Information

Type:

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
We reserve the right to change details of design, materials and finish.
www.lightolier.com © 2008 Philips Group • N0109

Application Data

| Multiple Units (32W Triple Tube, CFL) | | | |
|---------------------------------------|-------------------------|----------------------|-------------------|
| Spacing on Center | Height to Lighted Plane | Initial Foot-candles | Watts Per Sq. Ft. |
| 6' | 6' | 59 | 1.00 |
| | 12' | 53 | |
| 8' | 6' | 33 | 0.56 |
| | 12' | 30 | |
| 10' | 6' | 21 | 0.36 |
| | 12' | 19 | |

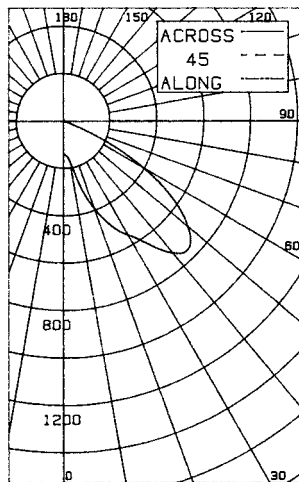
Based on 60" x 60" room with 80% ceiling cavity, 50% wall and 20% floor reflectances. Height is from bottom of fixture to lighted plane.

Spacing Ratio = 3.2

32W Triple Tube CFL

CERTIFIED TEST REPORT NO. 0552FR
COMPUTED BY LSI PROGRAM **TEST-LITE**

LIGHTOLIER PENDANT DOWNLIGHT FIXTURE CAT. #40431
16 1/4" DIA. SEMI-SPECULAR FINISH REFLECTOR
1-32W PLT TRIPLE TUBE PHILIPS LAMP. LUMEN RATING = 2400 LMS.
ENERGY SAVINGS BALLAST, 120 VAC



CANDLEPOWER SUMMARY

| ANGLE | MEAN CP | LUMENS |
|-------|---------|--------|
| 0 | 142 | |
| 5 | 148 | 15 |
| 10 | 178 | |
| 15 | 285 | 81 |
| 20 | 395 | |
| 25 | 487 | 223 |
| 30 | 557 | |
| 35 | 635 | 401 |
| 40 | 728 | |
| 45 | 759 | 569 |
| 50 | 692 | |
| 55 | 568 | 498 |
| 60 | 393 | |
| 65 | 191 | 202 |
| 70 | 40 | |
| 75 | 8 | 16 |
| 80 | 3 | |
| 85 | 1 | 2 |
| 90 | 1 | |

ZONAL LUMENS AND PERCENTAGES

| ZONE | LUMENS | % LAMP | % LUMINAIRE |
|--------|--------|--------|-------------|
| 0-30 | 318 | 13.27 | 15.88 |
| 0-40 | 719 | 29.99 | 35.88 |
| 0-60 | 1786 | 74.44 | 89.06 |
| 0-90 | 2006 | 83.58 | 100.00 |
| 40-90 | 1286 | 53.59 | 64.12 |
| 60-90 | 219 | 9.14 | 10.94 |
| 90-180 | 0 | .00 | .00 |
| 0-180 | 2006 | 83.58 | 100.00 |

PREPARED FOR:
LIGHTOLIER
FALL RIVER, MA

** EFFICIENCY = 83.6% **

DATE:
OCT 13, 1998

TESTED ACCORDING TO IES PROCEDURES. TEST DISTANCE EXCEEDS FIVE TIMES THE GREATEST LUMINOUS OPENING OF LUMINAIRE.

Coefficients Of Utilization

32W Triple Tube CFL

% EFFECTIVE CEILING CAVITY REFLECTANCE

| ROOM CAVITY RATIO | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 | | | |
|-------------------|-----|-----|-----|---|-----|-----|-----|---|-----|-----|-----|---|-----|-----|-----|---|-----|-----|-----|---|-----|----|----|---|
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | 50 | 30 | 10 | 0 | 50 | 30 | 10 | 0 | 50 | 30 | 10 | 0 | 50 | 30 | 10 | 0 | 50 | 30 | 10 | 0 | 50 | 30 | 10 | 0 |
| 1 | .89 | .86 | .83 | | .87 | .84 | .82 | | .84 | .81 | .79 | | .80 | .79 | .77 | | .78 | .76 | .75 | | .73 | | | |
| 2 | .79 | .74 | .70 | | .78 | .73 | .69 | | .75 | .71 | .68 | | .72 | .69 | .66 | | .70 | .67 | .65 | | .63 | | | |
| 3 | .69 | .63 | .58 | | .68 | .62 | .58 | | .66 | .61 | .57 | | .64 | .59 | .56 | | .62 | .58 | .55 | | .53 | | | |
| 4 | .61 | .54 | .49 | | .60 | .54 | .49 | | .58 | .52 | .48 | | .56 | .51 | .47 | | .54 | .50 | .47 | | .45 | | | |
| 5 | .54 | .46 | .41 | | .53 | .46 | .41 | | .51 | .45 | .40 | | .49 | .44 | .40 | | .48 | .43 | .39 | | .38 | | | |
| 6 | .47 | .39 | .34 | | .46 | .39 | .33 | | .44 | .38 | .33 | | .43 | .37 | .33 | | .41 | .36 | .32 | | .31 | | | |
| 7 | .40 | .32 | .27 | | .39 | .32 | .27 | | .38 | .31 | .27 | | .37 | .31 | .26 | | .36 | .30 | .26 | | .24 | | | |
| 8 | .35 | .28 | .22 | | .34 | .27 | .22 | | .33 | .27 | .22 | | .32 | .26 | .22 | | .31 | .26 | .22 | | .20 | | | |
| 9 | .31 | .23 | .18 | | .30 | .23 | .18 | | .29 | .23 | .18 | | .28 | .22 | .18 | | .27 | .22 | .18 | | .16 | | | |
| 10 | .27 | .20 | .15 | | .26 | .20 | .15 | | .25 | .19 | .15 | | .25 | .19 | .14 | | .24 | .18 | .14 | | .13 | | | |

20% FLOOR CAVITY REFLECTANCE

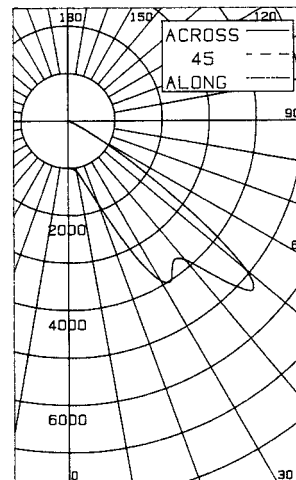
| Illuminance (FC) Multipliers | | |
|----------------------------------|--------------------------------|--|
| For Incandescent: | For Compact Fluorescent: | For Metal Halide: |
| 100 Watt = 0.7 150 Watt = 1.2 | 26 Watt = 0.7 42 Watt = 1.3 | 100 Watt = 3.5 150 Watt = 5.2 175 Watt = 6.5 |

Spacing Ratio = 2.8

175W ED17 MH

CERTIFIED TEST REPORT NO. 0587FR
COMPUTED BY LSI PROGRAM **TEST-LITE**

LIGHTOLIER H.I.D PENDANT DOWNLIGHT FIXTURE CAT. #40431
16 1/4" DIA. SEMI-SPECULAR REFLECTOR
1-175W ED-17 M.H. LAMP, GE COATED. LUMEN RATING = 12350 LMS.



CANDLEPOWER SUMMARY

| ANGLE | MEAN CP | LUMENS |
|-------|---------|--------|
| 0 | 1000 | |
| 5 | 1020 | 99 |
| 10 | 1094 | |
| 15 | 1356 | 403 |
| 20 | 1881 | |
| 25 | 2838 | 1326 |
| 30 | 3902 | |
| 35 | 3842 | 2422 |
| 40 | 3835 | |
| 45 | 4908 | 3593 |
| 50 | 4906 | |
| 55 | 2430 | 2373 |
| 60 | 815 | |
| 65 | 248 | 342 |
| 70 | 69 | |
| 75 | 30 | 39 |
| 80 | 17 | |
| 85 | 13 | 15 |
| 90 | 13 | |

ZONAL LUMENS AND PERCENTAGES

| ZONE | LUMENS | % LAMP | % LUMINAIRE |
|--------|--------|--------|-------------|
| 0-30 | 1827 | 14.80 | 17.22 |
| 0-40 | 4249 | 34.41 | 40.04 |
| 0-60 | 10215 | 82.72 | 96.26 |
| 0-90 | 10612 | 85.93 | 100.00 |
| 40-90 | 6362 | 51.52 | 59.96 |
| 60-90 | 396 | 3.21 | 3.74 |
| 90-180 | 0 | .00 | .00 |
| 0-180 | 10612 | 85.93 | 100.00 |

PREPARED FOR:
LIGHTOLIER
FALL RIVER, MA

** EFFICIENCY = 85.9% **

DATE:
NOV 5, 1998

TESTED ACCORDING TO IES PROCEDURES. TEST DISTANCE EXCEEDS FIVE TIMES THE GREATEST LUMINOUS OPENING OF LUMINAIRE.

Coefficients Of Utilization

175W ED17 MH

% EFFECTIVE CEILING CAVITY REFLECTANCE

| ROOM CAVITY RATIO | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 | | | |
|-------------------|-----|-----|-----|---|-----|-----|-----|---|-----|-----|-----|---|-----|-----|-----|---|-----|-----|-----|---|-----|----|----|---|
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | 50 | 30 | 10 | 0 | 50 | 30 | 10 | 0 | 50 | 30 | 10 | 0 | 50 | 30 | 10 | 0 | 50 | 30 | 10 | 0 | 50 | 30 | 10 | 0 |
| 1 | .92 | .89 | .87 | | .90 | .88 | .85 | | .87 | .84 | .83 | | .83 | .82 | .80 | | .80 | .79 | .78 | | .76 | | | |
| 2 | .83 | .78 | .74 | | .81 | .77 | .73 | | .78 | .75 | .72 | | .76 | .73 | .70 | | .73 | .71 | .68 | | .67 | | | |
| 3 | .73 | .67 | .63 | | .72 | .67 | .62 | | .70 | .65 | .61 | | .68 | .64 | .60 | | .66 | .62 | .59 | | .57 | | | |
| 4 | .65 | .59 | .54 | | .64 | .58 | .53 | | .62 | .57 | .53 | | .60 | .56 | .52 | | .59 | .55 | .51 | | .50 | | | |
| 5 | .58 | .51 | .45 | | .57 | .50 | .45 | | .55 | .49 | .45 | | .54 | .48 | .44 | | .52 | .48 | .44 | | .42 | | | |
| 6 | .51 | .43 | .38 | | .50 | .43 | .38 | | .48 | .42 | .37 | | .47 | .41 | .37 | | .45 | .40 | .37 | | .35 | | | |
| 7 | .44 | .36 | .31 | | .43 | .36 | .31 | | .42 | .35 | .30 | | .40 | .34 | .30 | | .39 | .34 | .30 | | .28 | | | |
| 8 | .38 | .31 | .25 | | .37 | .30 | .25 | | .36 | .30 | .25 | | .35 | .29 | .25 | | .34 | .29 | .25 | | .23 | | | |
| 9 | .33 | .26 | .20 | | .33 | .25 | .20 | | .31 | .25 | .20 | | .31 | .24 | .20 | | .30 | .24 | .20 | | .18 | | | |
| 10 | .29 | .21 | .16 | | .28 | .21 | .16 | | .27 | .21 | .16 | | .26 | .20 | .16 | | .26 | .20 | .16 | | .14 | | | |

20% FLOOR CAVITY REFLECTANCE

Job Information

Type:

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